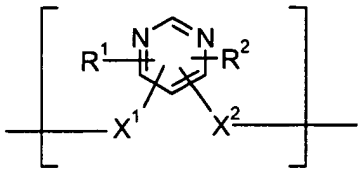
In the claims:

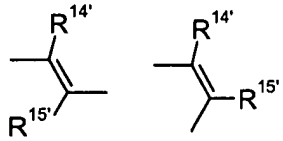
**1. (withdrawn / currently amended):** A polymer comprising a repeating unit of the formula

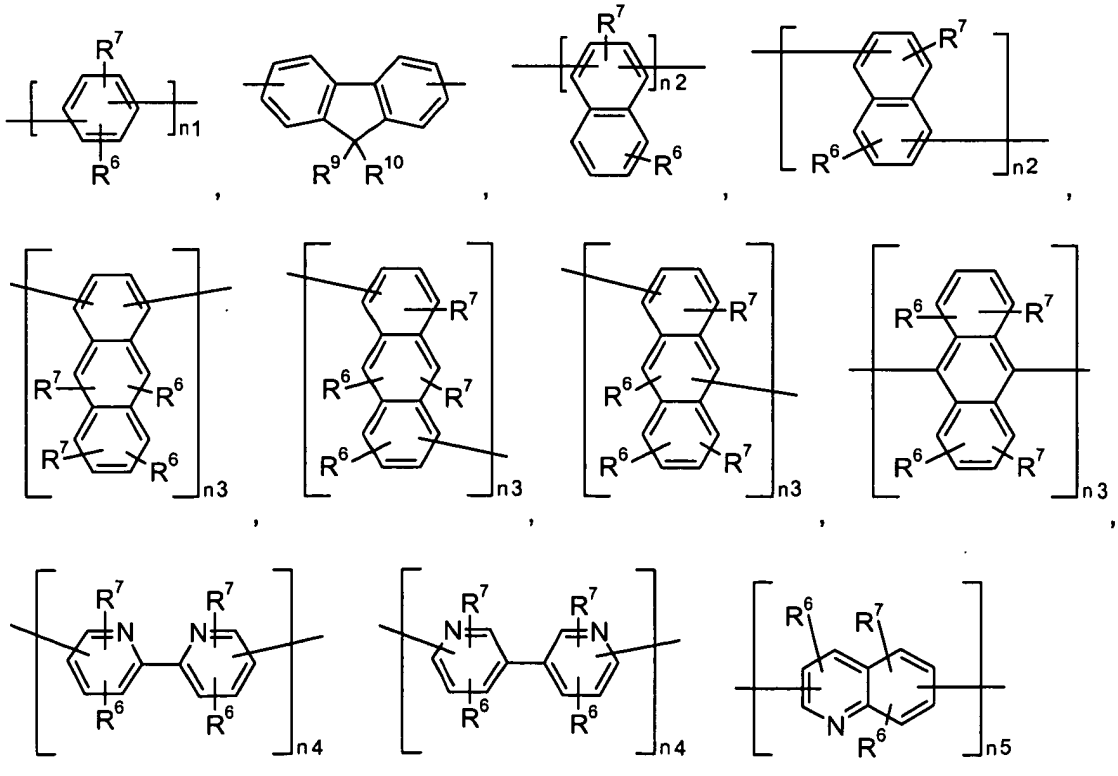


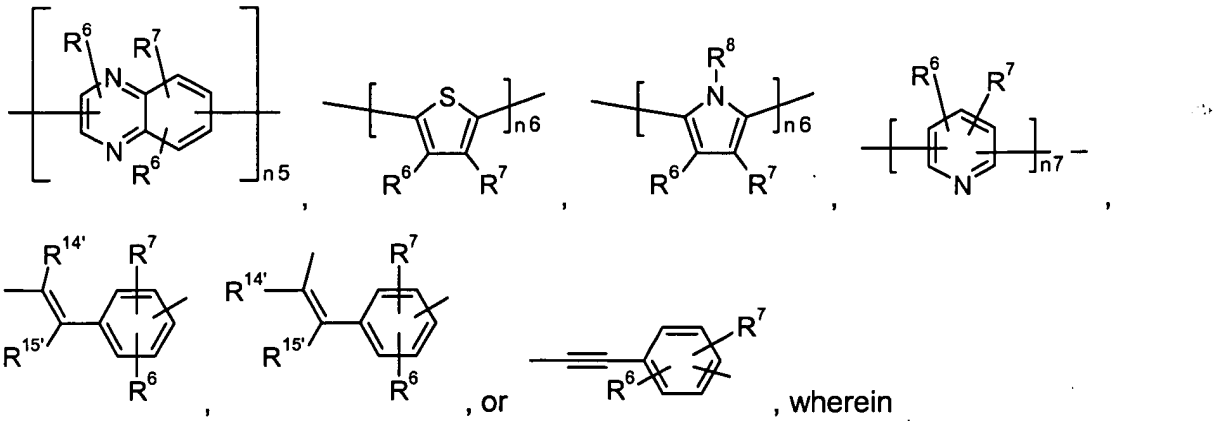
(I); wherein

$R^1$ ~~and $R^2$, are independently of each other an organic substituent,~~ is $C_{6-24}$aryl or $C_{2-20}$heteroaryl each of which optionally can be substituted, and $R^2$ is H,

$X^1$ and $X^2$ are independently of each other a divalent linking group.

**2. (withdrawn)** A polymer according to claim 1, wherein $X^1$ and $X^2$ are independently of each other a group of the formula  , 





, wherein

n1, n2, n3, n4, n5, n6 and n7 are integers of 1 to 10, $R^6$ and $R^7$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_5$-$C_{12}$cycloalkyl, $C_5$-$C_{12}$cycloalkyl, which is substituted by E, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{20}$heteroaryl, $C_2$-$C_{20}$heteroaryl which is substituted by E, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D, $C_7$-$C_{25}$aralkyl, or -CO-$R^{28}$,

$R^8$ is $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$ aryl, or $C_7$-$C_{25}$aralkyl,

$R^9$ and $R^{10}$ are independently of each other $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{20}$heteroaryl, $C_2$-$C_{20}$heteroaryl which is substituted by E, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D, or $C_7$-$C_{25}$aralkyl, or

$R^9$ and $R^{10}$ form a ring, which may optionally be substituted by $R^6$,

$R^{14'}$ and $R^{15'}$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{20}$heteroaryl, or $C_2$-$C_{20}$heteroaryl which is substituted by E,

D is -CO-, -COO-, -S-, -SO-, -$SO_2$-, -O-, -$NR^{25}$-, -$SiR^{30}R^{31}$-, -$POR^{32}$-, -$CR^{23}$=$CR^{24}$-, or -C≡C-, and

E is -$OR^{29}$, -$SR^{29}$, -$NR^{25}R^{26}$, -$COR^{28}$, -$COOR^{27}$, -$CONR^{25}R^{26}$, -CN, -$OCOOR^{27}$, or halogen,

wherein

$R^{23}$, $R^{24}$, $R^{25}$ and $R^{26}$ are independently of each other H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl which is substituted by $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-, or

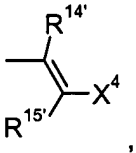
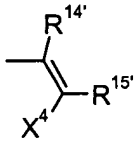
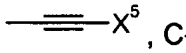
$R^{25}$ and $R^{26}$ together form a five or six membered ring, $R^{27}$ and $R^{28}$ are independently of each other H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl which is substituted by $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-,

$R^{29}$ is H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl, which is substituted by $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-,

$R^{30}$ and $R^{31}$ are independently of each other $C_1$-$C_{18}$alkyl, $C_6$-$C_{18}$aryl, or $C_6$-$C_{18}$aryl, which is substituted by $C_1$-$C_{18}$alkyl, and

$R^{32}$ is $C_1$-$C_{18}$alkyl, $C_6$-$C_{18}$aryl, or $C_6$-$C_{18}$aryl, which is substituted by $C_1$-$C_{18}$alkyl.

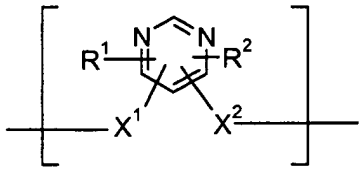
**3. (withdrawn)** A polymer according claim 2, wherein $R^1$ and $R^2$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D,




, $C_7$-$C_{25}$aralkyl, $C_6$-$C_{24}$aryl or $C_2$-$C_{20}$heteroaryl, which optionally can be substituted,

$X^4$ is $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, which optionally can be substituted,

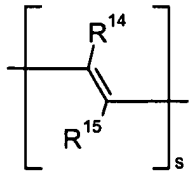
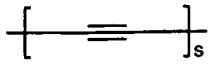
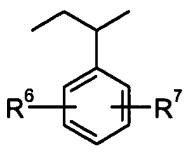
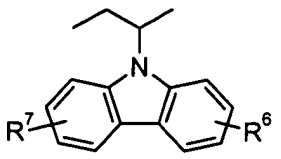
$X^5$ is $C_1$-$C_{18}$alkyl, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl substituted by -O$C_1$-$C_{18}$alkyl or -O$C_6$-$C_{24}$aryl.

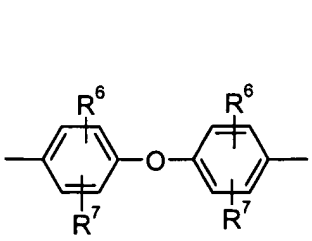
**4. (currently amended)** A polymer according to claim 1, comprising a repeating unit of the formula


(I); wherein

$R^1$ and $R^2$, are independently of each other an organic substituent, is $C_{6-24}$aryl or $C_{2-20}$ heteroaryl each of which optionally can be substituted, and $R^2$ is H,

$X^1$ and $X^2$ are independently of each other a divalent linking group which co-polymer also comprises ~~comprising~~ a co-monomer T which is selected from the group consisting of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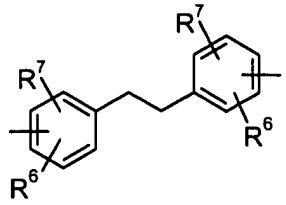
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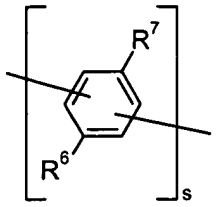
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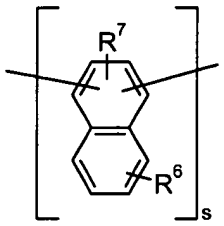
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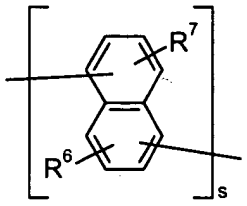
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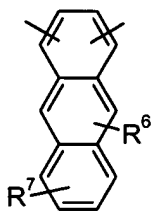
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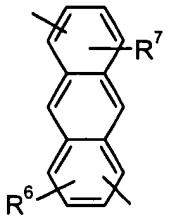
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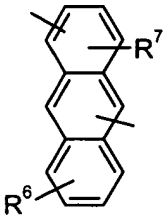
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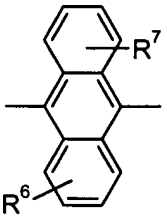
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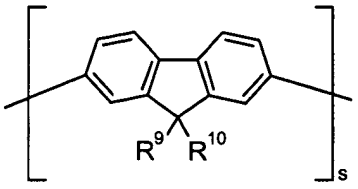
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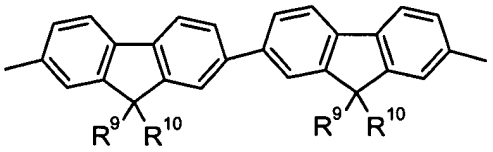
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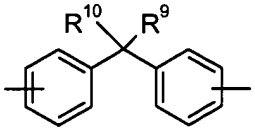
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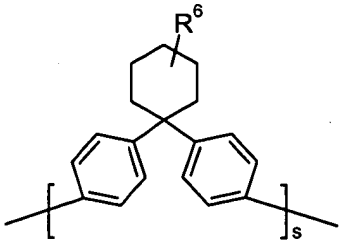
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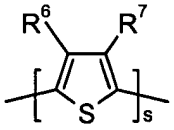
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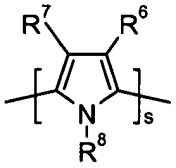
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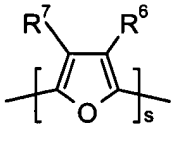
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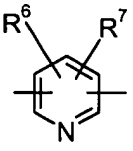
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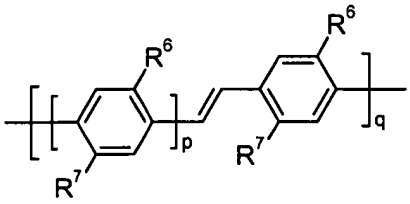
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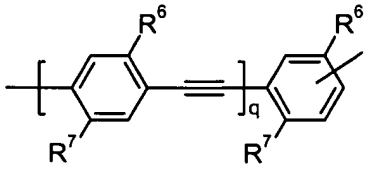
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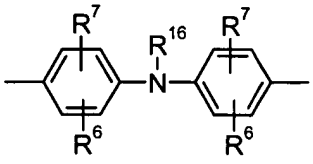

,

wherein

$R^{16}$ is H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl which is substituted by $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl, $C_7$-$C_{25}$aralkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-,

p is an integer from 1 to 10,

q is an integer from 1 to 10,

s is an integer from 1 to 10,

$R^6$ and $R^7$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_5$-$C_{12}$cycloalkyl, $C_5$-$C_{12}$cycloalkyl, which is substituted by E, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{20}$heteroaryl, $C_2$-$C_{20}$heteroaryl which is substituted by E, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D, $C_7$-$C_{25}$aralkyl, or -CO-$R^{28}$,

$R^8$ is $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$ aryl, or $C_7$-$C_{25}$aralkyl,

$R^9$ and $R^{10}$ are independently of each other $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{20}$heteroaryl, $C_2$-$C_{20}$heteroaryl which is substituted by E, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D, or $C_7$-$C_{25}$aralkyl, or

$R^9$ and $R^{10}$ form a five- or six-membered ring, which may optionally be substituted by $R^6$,

$R^{14'}$ and $R^{15'}$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{20}$heteroaryl, or $C_2$-$C_{20}$heteroaryl which is substituted by E,

D is -CO-, -COO-, -S-, -SO-, -$SO_2$-, -O-, -$NR^{25}$-, -$SiR^{30}R^{31}$-, -$POR^{32}$-, -$CR^{23}$=$CR^{24}$-, or -C≡C-, and

E is -$OR^{29}$, -$SR^{29}$, -$NR^{25}R^{26}$, -$COR^{28}$, -$COOR^{27}$, -$CONR^{25}R^{26}$, -CN, -$OCOOR^{27}$, or halogen,

wherein

$R^{23}$, $R^{24}$, $R^{25}$ and $R^{26}$ are independently of each other H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl which is substituted by $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-, or

$R^{25}$ and $R^{26}$ together form a five or six membered ring, $R^{27}$ and $R^{28}$ are independently of each other H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl which is substituted by $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-,

$R^{29}$ is H, $C_6$-$C_{18}$aryl, $C_6$-$C_{18}$aryl, which is substituted by $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkyl, or $C_1$-$C_{18}$alkyl which is interrupted by –O-,

$R^{30}$ and $R^{31}$ are independently of each other $C_1$-$C_{18}$alkyl, $C_6$-$C_{18}$aryl, or $C_6$-$C_{18}$aryl, which is substituted by $C_1$-$C_{18}$alkyl, and

$R^{32}$ is $C_1$-$C_{18}$alkyl, $C_6$-$C_{18}$aryl, or $C_6$-$C_{18}$aryl, which is substituted by $C_1$-$C_{18}$alkyl,

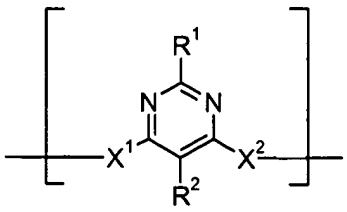
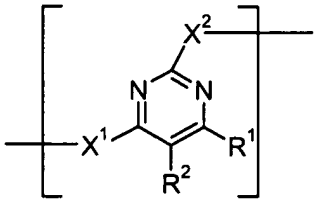
or

$R^9$ and $R^{10}$ together form a group of formula =$CR^{100}R^{101}$, wherein

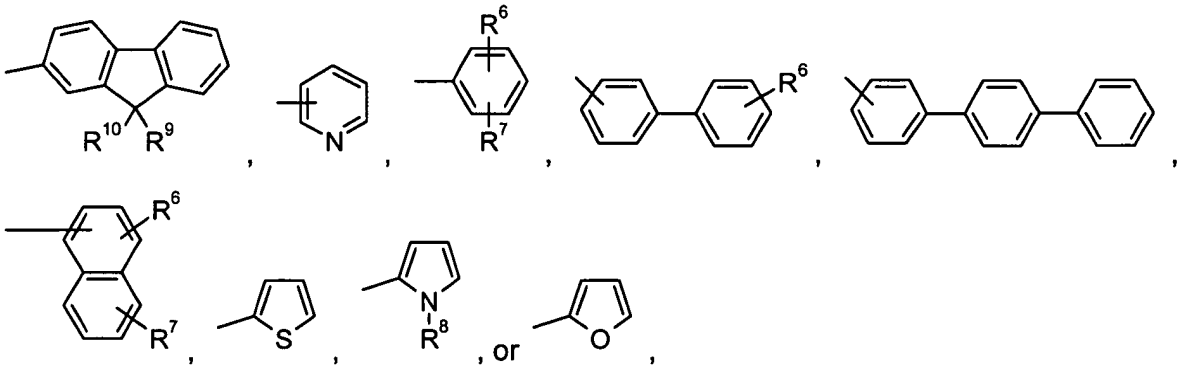
$R^{100}$ and $R^{101}$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, or $C_2$-$C_{20}$heteroaryl, or $C_2$-$C_{20}$heteroaryl which is substituted by E, and

$R^{14}$ and $R^{15}$ are independently of each other H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, or $C_2$-$C_{20}$heteroaryl, $C_2$-$C_{20}$heteroaryl which is substituted by E.

**5. (withdrawn)** A polymer according to claim 1, comprising repeating units of formula Ia or Ib,


(Ia),

(Ib)

wherein $R^1$ is a group of formula



wherein $R^2$ is H,

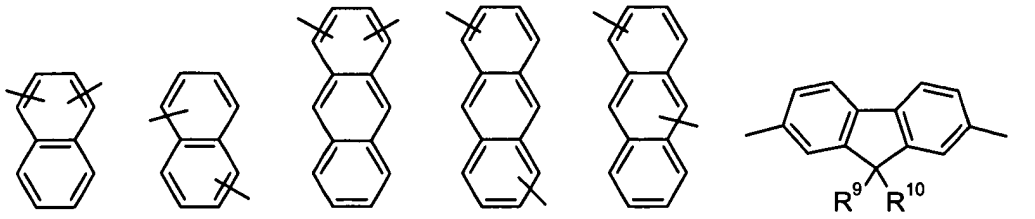
$R^6$ and $R^7$ are independently of each other H, $C_1$-$C_{12}$alkyl, $C_5$-$C_{12}$cycloalkyl, $C_6$-$C_{24}$aryl, which can be substituted by –O-$C_1$-$C_{12}$alkyl, or $C_1$-$C_{18}$alkoxy,

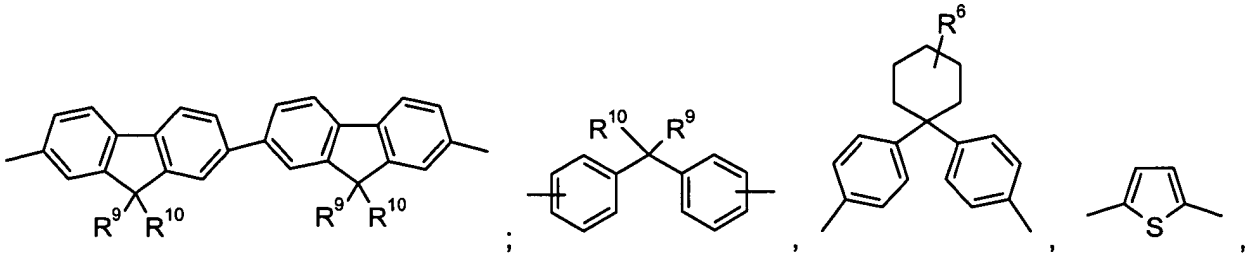
$R^8$ is $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl interrupted by one or two oxygen atoms, or $C_6$-$C_{12}$aryl, which optionally can be substituted by $C_1$-$C_{12}$alkyl, or $C_1$-$C_{12}$alkoxy,

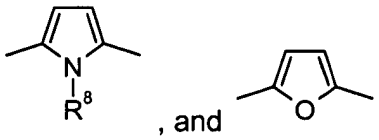
$R^9$ and $R^{10}$ are independently of each other H, $C_1$-$C_{12}$alkyl, or $C_1$-$C_{12}$alkoxy,

$R^9$ and $R^{10}$ are independently of each other $C_1$-$C_{18}$alkyl, especially $C_4$-$C_{12}$alkyl, which can be interrupted by one or two oxygen atoms.

**6.(currently amended)** A polymer according to claim **[[5]]** 4, comprising a co-monomer T which is selected from the group consisting of



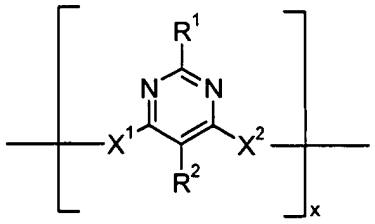
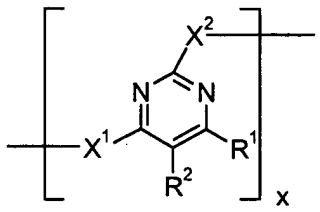


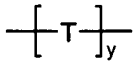

, and , wherein $R^8$ is $C_1$-$C_{18}$alkyl,

$R^9$ and $R^{10}$ are independently of each other $C_1$-$C_{18}$alkyl, which can be interrupted by one or two oxygen atoms, or

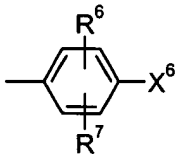
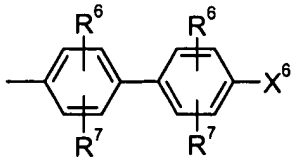
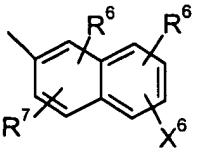
$R^9$ and $R^{10}$ form a five or six membered carbocyclic ring, which optionally can be substituted by $C_1$-$C_8$alkyl.

**7. (curently amended)** A polymer according to claim **[[1]]** 4, comprising a repeating unit of formula


(Ia), or 
(Ib), and

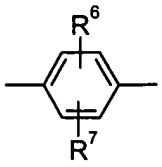
a co-monomer  , wherein

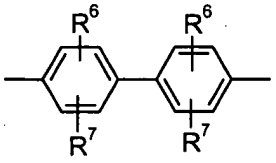
x is in the range of 0.005 to 1, and y is in the range of 0.995 to 0, wherein the sum of x and y is 1,

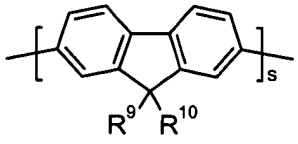
$R^1$ is a group of formula  , or  , or  , wherein

$X^6$ is H, $C_1$-$C_{18}$alkyl, cyclohexyl, or $C_1$-$C_{18}$alkoxy,

$R^2$ is H,

$X^1$ and $X^2$ are independently of each other a group of formula  , or

 , and

T is a group of formula  , wherein s is one or two, and $R^9$ and $R^{10}$ are independently of each other $C_1$-$C_{18}$alkyl, which can be interrupted by one or two oxygen atoms, and

$R^6$ and $R^7$ are independently of each other H, $C_1$-$C_{12}$alkyl, $C_5$-$C_{12}$cycloalkyl, $C_6$-$C_{24}$aryl, which can be substituted by –O-$C_1$-$C_{12}$alkyl, or $C_1$-$C_{18}$alkoxy.

**8-11. (cancelled)**

**12. (withdrawn)** An optical device or a component therefore, comprising a substrate and a polymer according to claim 1.

**13 .( withdrawn)** An optical device according to claim 12, wherein the optical device comprises an electroluminescent device.

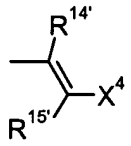
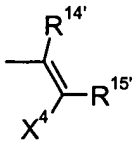
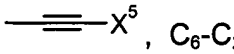
**14 .( withdrawn)** An optical device according to claim 13, wherein the electroluminescent device comprises

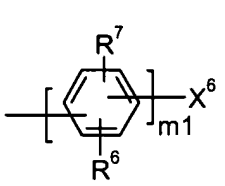
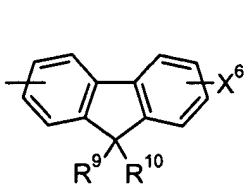
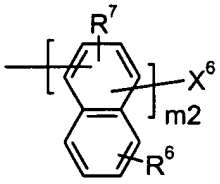
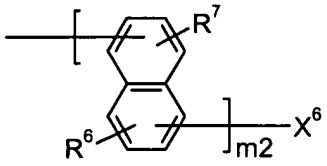
(a) a charge injecting layer for injecting positive charge carriers,

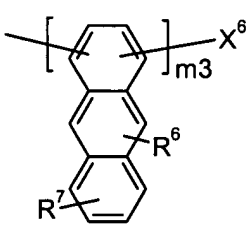
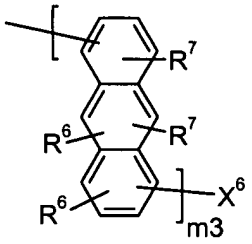
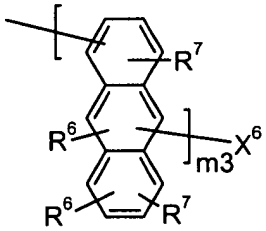
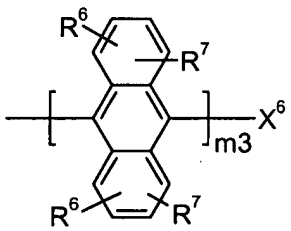
(b) a charge injecting layer for injecting negative charge carriers,

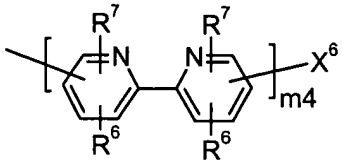
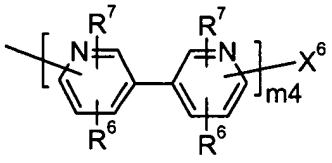
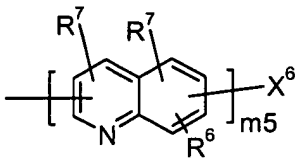
(c) a light-emissive layer located between the layers (a) and (b) comprising a polymer according to claim 1.

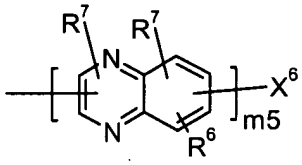
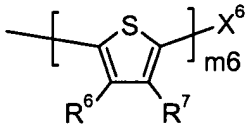
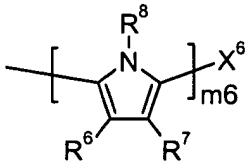
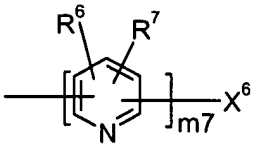
**15. (cancelled)**

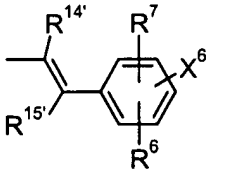
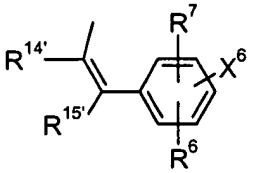
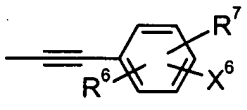
**16. (withdrawn)** A polymer according to claim 3, wherein when $R^1$ or $R^2$ is  ,  ,  , $C_6$-$C_{24}$aryl or $C_2$-$C_{20}$heteroaryl, it is selected from the group consisting of the formulae

 ,  ,  ,  ,

 ,  ,  ,  ,

 ,  ,  ,

 ,  ,  ,  ,

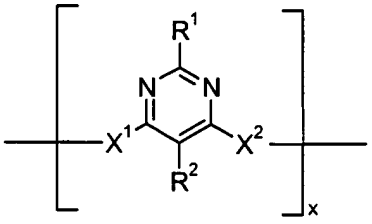
 ,  and  ,

wherein m1, m2, m3, m4, m5, m6 and m7 are integers of 1 to 10,

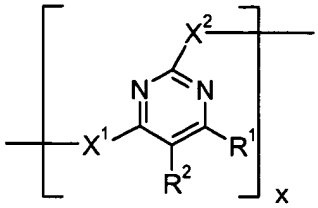
$X^6$ is H, $C_1$-$C_{18}$alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{30}$aryl, which optionally can be substituted,$C_2$-$C_{26}$heteroaryl, which optionally can be substituted, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D, or $C_7$-$C_{25}$aralkyl,

$R^{11}$, $R^{12}$ and $R^{13}$ are independently of each other H, $C_1$-$C_{18}$ alkyl, $C_1$-$C_{18}$alkyl which is substituted by E and/or interrupted by D, $C_6$-$C_{24}$aryl, $C_6$-$C_{24}$aryl which is substituted by E, $C_2$-$C_{18}$alkenyl, $C_2$-$C_{18}$alkynyl, $C_1$-$C_{18}$alkoxy, $C_1$-$C_{18}$alkoxy which is substituted by E and/or interrupted by D, or $C_7$-$C_{25}$aralkyl.

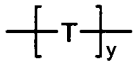
**17. (previously presented)** A polymer according to claim 7, comprising a repeating unit of formula



(Ia), or



(Ib), and

a co-monomer  , wherein

x is in the range of 0.4 to 0.6, and y is in the range of 0.6 to 0.4, wherein the sum of x and y is 1.

**18. (cancelled)**

**19-21. (cancelled)**